



Charleston Day School

Summer Math 2026 Rising 8th Grade (Regular)

The math summer work for this year will be done on IXL using the app or the website www.ixl.com. The student username is first initial last name (all lower case) @charlestownday. For most students, their password is the “p” number that they use to check out books. For questions about usernames and passwords, please contact Laurin Shealy at laurin.shealy@charlestownday.org.

We have chosen 20 objectives from the 7th-grade math section. These are all skills that each student must have mastered before entering 8th-grade math.

To complete an objective, a student must achieve a Smart Score of 90. Some may take 10 minutes or less to complete, while others may take 30 minutes or more.

Students should expect to use paper and pencil while working on most of the objectives. Working slowly and carefully is the quickest way to master an objective. Rushing and making careless errors actually makes the process take longer.

If a student is struggling to complete an objective, they should seek help from an adult. Missing many problems in a row just makes it harder to reach a 90 Smart Score. IXL explains to a student what they did wrong each time they miss a problem. Students can also use www.khanacademy.com for explanations of skills.

Thank you,

The CDS Math Team

Rising 8th Grade (Regular)

<u>Title</u>	<u>Shortcut Search</u>
Equivalent ratios	LQR
Integer inequalities with absolute value	BTT
Add 3 or more integers	PBC
Multiply integers	DQT
Evaluate expressions with integers	7YN
+ - x / decimals	5ZF
Round decimals	R5J
Fractions in lowest terms	TZ6
Add/subtract fractions	NGL
Multiply mixed numbers	JNY
Divide fractions	X7A
Fractions to decimals	M2D
Decimals to fractions	HZD
Expressions involving exponents	D7P
Evaluate linear expressions	UG6
2-step equations (work slowly on paper.)	QEB
Graph inequalities	TFK
Complete a table	2LU
Perimeter	7GQ
Area of rectangles/parallelograms	62H